

2. DESCRIPTION OF THIRTEEN NEW SPECIES OF PALUDINACEA FROM CEYLON, IN THE COLLECTION OF HUGH CUMING, ESQ. BY H. DOHRN.

Genus 1. PALUDINA.

1. PALUDINA CEYLONICA. *Testa ovato-conica, perforata, solidiuscula, viridis, versus apicem fuscescens; spira magis minusve elevata, exserta; anfractus convexi, ad suturam et basin obsolete, medio acute carinati; spiraliter et longitudinaliter striata; sutura simplex, impressa; apertura ovata, intus alba, peristoma subincrassatum, reflexiusculum, nigrum.*

Long. 21, lat. 16; apert. long. $12\frac{1}{2}$, lat. 9 mill.

Genus 2. BITHYNIA.

1. BITHYNIA STENOXYROIDES. *Testa ovata, tenera, alba vel fulva, pellucida, nitida; anfractus 4-5 convexiusculi, ultimus efflatus, ventricosus, ad basin leviter carinatus, antice descendens; sutura simplex; apertura oblongo-ovata, parum coarctata, ad basin acuta, alba. Operculum oblongo-ovatum, testaceum, crassum, concentricum striatum.*

Long. $5\frac{1}{2}$, lat. $4\frac{3}{4}$; apert. long. 3, lat. 2 mill.

Ceylon, Nilgherries.

This species has some characters of *Stenothyra*. The last whorl is unusually great, the mouth somewhat contracted, but the general aspect is that of *Bithynia*.

2. BITHYNIA INCONSPICUA. *Testa oblongo-conica, tenera, alba vel fulva, pellucida; spira acuta; anfractus 4-5 convexiusculi, sub lente leviter longitudinaliter striati; apertura oblonga. Operculum testaceum, concentricum.*

Long. 5, lat. $3\frac{1}{2}$; apert. long. $2\frac{1}{2}$, lat. $1\frac{3}{4}$ mill.

In shape nearly allied to our common *B. tentaculata*, but differing in size; the whorls are rounder, broader in proportion to the height, and flatter than in *B. orcula*, Bens., and the whole form is more conic.

Genus 3. PALUDOMUS.

1. PALUDOMUS FULGURATUS. *Testa oblongo-ovata, tenera; spira elevata, apice obtuso, leviter longitudinaliter et spiraliter striata, late olivacea, fusco fulgurata, ad suturam impressam fusco fasciata; anfractus quatuor convexi, supra medium obsolete carinati; apertura oblonga, simplex, albida, lineis fuscis, pellucetibus. Operc.?*

Long. 16, lat. 13; apert. long. 11, lat. 6 mill.

2. PALUDOMUS NASUTUS. *Testa solida, oblongo-conica, apice acuto, nigrescens, versus apicem albicans, ad suturam linea valde impressa distincta, obsolete decussata; anfractus quatuor*

convexiusculi, ultimus medio leviter angulatus; apertura simplex, oblonga, albida. Operc.?

Long. 12, lat. 8; apert. long. $7\frac{1}{2}$, lat. $4\frac{1}{2}$ mill.

3. *PALUDOMUS SPHÆRICUS. Testa solida, globosa, olivacea, parum nitida, confertim longitudinaliter et transverse striata; spira depressa, exserta; anfractus rotundati, fasciatim spiraliter nigro-maculati; sutura simplex, alba.*

Long. 18, lat. 17; apert. long. 15, lat. 12 mill.

This species is still rounder than *P. globulosus*, R., and different in the markings and sculpture: *P. globulosus* is in the upper part of the whorls slightly angulated; the whorls of *P. sphæricus* are round.

4. *PALUDOMUS SOLIDUS. Testa ovato-oblonga, solidissima, flava, brunneo-maculata; spira exserta; anfractus convexi, spiraliter sulcati, sub lente longitudinaliter striati; sutura impressa; apertura crassa, alba, semicircularis. Operculum corneum, nigrescens, concentricè striatum, nucleo sinistro.*

Long. 19, lat. $14\frac{1}{2}$; apert. long. 13, lat. 10 mill.

5. *PALUDOMUS DISTINGUENDUS. Testa ovata, olivacea, nitida, fasciis nigris fulguratis longitudinaliter picta, spiraliter et longitudinaliter striata; spira exserta; apertura ovata, cærulescens; peristomate nigro, obsolete dentato; margine columellari planato, fasciis nigris, pellucetibus.*

Long. 25, lat. 19; apert. long. 18, lat. $12\frac{1}{2}$ mill.

Nearly allied in shape to *P. sulcatus*, but differing in the sculpture and the inside of the mouth.

6. *PALUDOMUS CUMINGIANUS. T. globosa, solida, olivaceo-fusca, obsolete spiraliter sulcata; spira valde depressa, exserta; anfractus ultimus ceteros superans, ad suturam in formam canalis impressus; apertura magna, obliqua, flavescens, intus albida, lineis nigris undatis longitudinaliter distincta.*

Long. 33, lat. 34; apert. long. 30, lat. 24 mill.

Belongs in the same group with *P. Gardeneri*, R.; very distinct in the deep channel-like impression on the upper part of the whorl, and in the large size of the mouth.

7. *PALUDOMUS DROMEDIARIUS. Testa oblongo-ovata, nigra, obsolete spiraliter, longitudinaliter striata; anfractus convexi, ultimus antice valde flexus; apertura subcircularis, alba, obsolete dentata, interdum flavo-cincta. Operculum subtriangulare, corneum, nucleo laterali dextrorso.*

Long. 29, lat. 21; apert. long. $20\frac{1}{2}$, lat. 16 mill.

8. *PALUDOMUS SKINNERI. Testa ovata, nigricanti-olivacea, confertim costis squamatis spiraliter cingulata, supra medium obsolete carinata; apertura semicircularis, alba, intus cærulescens.*

Long. 35, lat. 32; apert. long. 29, lat. 21 mill.

I would rather consider this as a variety of *P. loricatus*, R. ; but as Mr. Cuming, who has a particular interest for this genus, said that he was convinced it was a distinct species, I give the description of it.

9. *PALUDOMUS SWAINSONI*. *Testa ovata, solida, olivacea, costis nigris spiralibus ornata, obsolete spiraliter et longitudinaliter striata; spira exserta; anfractus convexi, ad suturam nigricantem depressi; apertura ovata, albida, obsolete dentata, interdum fusco-maculata.*

Long. 25, lat. 23 ; apert. long. 21, lat. 12 mill.

Allied to *pictus* ; but differs in having black ribs.

10. *PALUDOMUS NODULOSUS*. *Testa oblongo-ovata, læte olivacea, longitudinaliter nigro fulgurata; spira exserta; anfractus costis tuberculis spiraliter cingulati, sutura crenulata; apertura subcircularis, nigra, intus albida, lineis nigris pellucetibus.*

Long. 27, lat. 21 ; apert. long. 20, lat. 16½ mill.

3. LIST OF BIRDS COLLECTED BY MR. THOMAS BRIDGES, CORRESPONDING MEMBER OF THE SOCIETY, IN THE VALLEY OF SAN JOSÉ, IN THE STATE OF CALIFORNIA. BY PHILIP LUTLEY SCLATER, M.A., F.L.S. ETC.

Mr. Bridges has requested me to bring before the notice of the Society a series of birds which he collected in the Valley of San José, at the southern extremity of the Bay of San Francisco. There are examples only of 33 species, but many of these are interesting—the W. American forms being very little known in Europe, although the Museums in the United States are well supplied with specimens resulting from the many recent expeditions into the west. The only list of Californian birds at all complete is that published by Dr. Gambel in the first volume of the second series of the Journal of the Academy of Natural Sciences of Philadelphia. M. Cassin's beautiful work on the 'Birds of California, Oregon, &c.' has been unfortunately discontinued for the present, at the termination of the first volume. Had that been brought to a conclusion, there would have been much less still wanting to be known concerning the ornithology of the western regions of N. America.

Mr. Bridges' collection contains examples of the following species :—

1. ACCIPITER FUSCUS (Gm.).
2. TINNUNCULUS SPARVERIUS (L.).
3. CIRCUS HUDSONIUS (L.).